

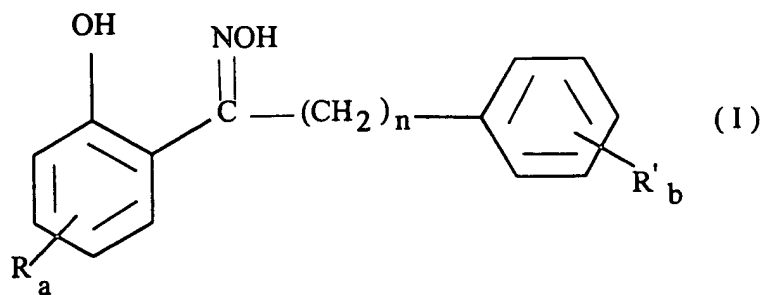
What is claimed:

1. A process of preparing a stable, flowable, pourable, and pumpable concentrate of a hydroxyl aryl oxime metal extractant in a water-immiscible hydrocarbon solution comprising formulating the hydroxy aryl oxime metal extractant at an oxime concentration of about 55-85% by weight, and confining said concentrate in a single container having a volume of from about 250 liters up to about 50,000 liters thereby maintaining the temperature within the container in an acceptable range as defined by accelerating rate calorimetry.

2. A process as defined in claim 1 wherein the oxime concentration in the hydrocarbon solvent is from about 62% to about 85% by weight

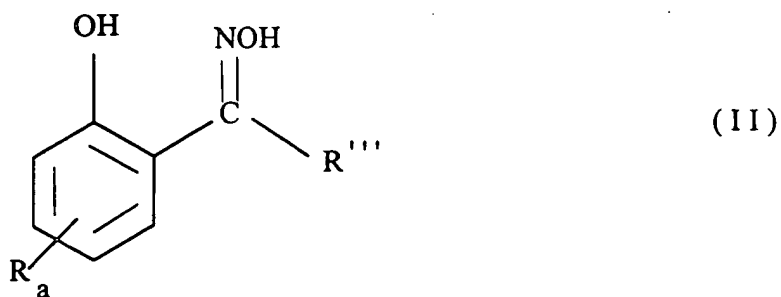
3. A process as defined in claim 1 wherein said hydroxyl aryl oxime is selected from the group consisting of:

(a) a ketoxime of the formula I or II



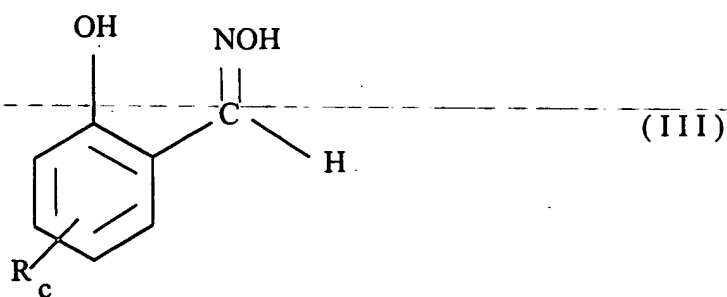
in which R and R' may be individually alike or different and are saturated aliphatic groups of 1-25 carbon atoms, ethylenically unsaturated aliphatic groups of 3-25 carbon atoms or -OR'' where R'' is a saturated or ethylenically unsaturated aliphatic group as defined; n is 0 or 1; and a

and b are each 0, 1, 2, 3 or 4, with the proviso that both are not 0 and the total number of carbon atoms in  $R_a$  and  $R'_b$  is from 3 to 25,



in which R and a are as defined with respect to Formula I and  $R'''$  is a saturated aliphatic group of 1-25 carbon atoms or an ethylenically unsaturated aliphatic group of 3-25 carbon atoms, with the proviso that the total number of carbon atoms in  $R_a$  and  $R'''$  is from 3 to 25, and

(b) an aldoxime of the formula III



in which R is as defined above with respect to Formulas I and II, c has a value of 1, 2, 3 or 4, and the total number of carbon atoms in R<sub>c</sub> is from 3 to 25.

4. A process as defined in claim 1 wherein said hydroxyl aryl oxime is selected from the group consisting of:

(a) a 2-hydroxy-5-nonyl acetophenone oxime in a concentration of oxime in the hydrocarbon solvent of from 55 to 85% by weight of the total concentrate;

(b) a 2-hydroxy-5-nonyl benzaldoxime in a concentration by weight of oxime in the hydrocarbon solvent of from 55 to 85% by weight of the total concentrate;

(c) a 2-hydroxy-5-dodecyl benzaldoxime in a concentration of oxime in the hydrocarbon solvent of from 62 to about 85% by weight of the total concentrate

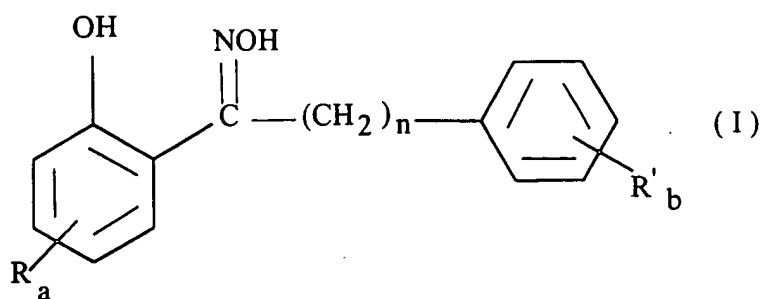
(d) a mixture of (a) with (b) or (c), or (b) and (c), in a concentration of oxime in the hydrocarbon solvent in a weight ratio of ketoxime to aldoxime of 1:100 to 100:1.

5. A stable, flowable, pourable and pumpable concentrate of a hydroxy aryl oxime metal extractant in a water-immiscible hydrocarbon solution wherein the hydroxy aryl oxime metal extractant therein is present in an oxime concentration of about 55-85% by weight and is confined in a single container having a volume of from about 250 liters up to about 50,000 liters, and thereby maintaining the temperature within the container in an acceptable range as defined by accelerating rate calorimetry.

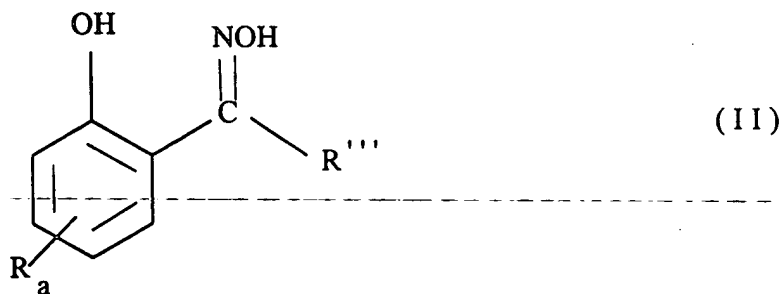
6. A concentrate as defined in claim 5 wherein the hydroxy aryl oxime metal extractant in the hydrocarbon solvent has an oxime concentration of from 62% to about 85% by weight.

7. A concentrate as defined in claim 5 wherein the hydroxyl aryl oxime is selected from the group consisting of:

(a) a ketoxime of the formula I or II



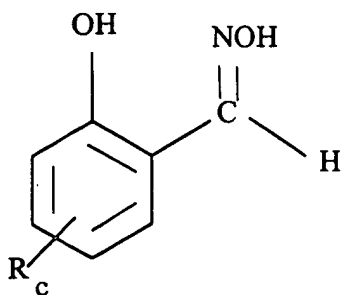
in which R and R' may be individually alike or different and are saturated aliphatic groups of 1-25 carbon atoms, ethylenically unsaturated aliphatic groups of 3-25 carbon atoms or -OR'' where R'' is a saturated or ethylenically unsaturated aliphatic group as defined; n is 0 or 1; and a and b are each 0, 1, 2, 3 or 4, with the proviso that both are not 0 and the total number of carbon atoms in R<sub>a</sub> and R'<sub>b</sub> is from 3 to 25,



in which R and a are as defined with respect to Formula I and R''' is a saturated aliphatic group of 1-25 carbon atoms or an

ethylenically unsaturated aliphatic group of 3-25 carbon atoms, with the proviso that the total number of carbon atoms in  $R_a$  and  $R'''$  is from 3 to 25, and

(b) an aldoxime of the formula III



(III)

in which R is as defined above with respect to Formulas I and II, c has a value of 1, 2, 3 or 4, and the total number of carbon atoms in  $R_c$  is from 3 to 25.

8. A concentrate as defined in claim 5, wherein the hydroxy aryl oxime metal extractant is selected from the group:

(a) a 2-hydroxy-5-nonyl acetophenone oxime in a concentration of oxime in the hydrocarbon solvent of from 55 to 85% by weight of the total concentrate;

(b) a 2-hydroxy-5-nonyl benzaldoxime in a concentration by weight of oxime in the hydrocarbon solvent of from 55 to 85% by weight of the total concentrate;

(c) a 2-hydroxy-5-dodecyl benzaldoxime in a concentration of oxime in the hydrocarbon solvent of from 62 to about 85% by weight of the total concentrate; and

(d) a mixture of (a) with (b) or (c), or (b) and (c), in a concentration of oxime in the hydrocarbon solvent in a weight ratio of ketoxime to aldoxime of 1:100 to 100:1.

9. A stable, flowable pourable and pumpable concentrate as

defined in claim 5 wherein the water immiscible hydrocarbon solvent is an equilibrium modifier.